Summer 2016: Computer Programming
MTWTh 9:30 – 11:45 AM; F 9:30 – 11:15 AM

Instructor: Julio Marco Pineda juliomp@uw.edu

Course Material:
This course is an introduction to core programming concepts to solve problems in science, mathematics, engineering and business. You will learn foundational computer programming and science concepts to tackle challenges that require manipulating and interpreting data. The ultimate goal of this class is to be able to independently write a readable and useful program in Python given a problem description and data source.

I intend this class to be both challenging and meaningful to both me, the instructor and you, the students. Through my personal experiences with programming, I found the most learning and meaning through tackling a challenging problem. Therefore, this class will involve a project closer to the end of the course. Further details will be provided in the future.

Student Expectations:
I expect everyone to arrive in class on time, submit work on time and maintain respect for the instructor and other students. I expect you to use every possible resource you have when solving your homework or studying for an exam, such as your instructor, your peers, textbooks and other resources. I encourage students to help each other on homework, but you have to make sure you are able to independently complete the problems.

I will not tolerate any form of plagiarism and cheating. Please refer to your program manual regarding disciplinary action upon failure to uphold student expectations.

I expect full participation and attentiveness during lecture. I also encourage you to ask questions during lecture. Without fail, if you have a question about a topic, a large portion of your peers have the same question. Also, in order for me to know what you are struggling with, you must ask questions so I can address them right away.

Grading:
Students will be graded based on performance on the following:

Homework (20%): A problem set due every week

Quizzes/Exercises (10%): In-class work to assess your understanding

Midterm (20%): 1 midterm will be given. Date to be determined.

Final Project (50%): An individual culminating project

Contact:
Please email me any questions or concerns. These questions do not have to be just about programming; you can ask me about life at the UW, different STEM courses, bioengineering, math, undergraduate research or anything at all. I will try my best to get to you as soon as possible, however, if I am unable to respond, excellent tutors and counselors for the summer are more than qualified to answer your questions.